

# Converting Colors

$Yxy(74.7480, 0.2897, 0.4748)$

Have a look what the booklet for  
Yxy(74.7480, 0.2897, 0.4748)  
contains.

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# Color

**Yxy(74.6081, 0.2895, 0.4741)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6AFC8D
RGB	106, 252, 141
RGB Percent	42%, 99%, 55%
CMY	0.5845, 0.0117, 0.4470
CMYK	0.58, 0.00, 0.44, 0.01
HSL	134°, 96%, 70%
HSV	134°, 58%, 99%
XYZ	45.5580, 74.6081, 37.2018
YIQ	195.6920, -51.3850, -65.4730

# Conversions

## Conversions Part 2

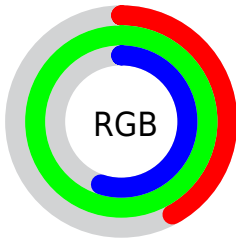
Format	Color
<a href="#">RYB</a>	<a href="#">106, 224, 252</a>
Decimal	<a href="#">7011469</a>
CIELab	<a href="#">89.21, -62.19, 41.58</a>
CIElCh	<a href="#">89, 74.804, 146.234</a>
Yxy	<a href="#">74.6081, 0.2895, 0.4741</a>
Android (android.graphics.Color)	<a href="#">4285201549 (0xFF6AFC8D)</a>
YUV	<a href="#">195.6920, -26.9632, -78.6599</a>
Hunter-Lab	<a href="#">86.3760, -57.0102, 34.9272</a>

# Details

The Yxy color **74.6081, 0.2895, 0.4741** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **36.0024, 0.3540, 0.2204**, and the grayscale version is **55.1898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8304, 0.2934, 0.3976**, and **39.5379, 0.2797, 0.5133** is the 20% darker color. If you saturate the color by 10%, you get **72.7665, 0.2882, 0.5030**, and if you desaturate by 10%, it is **77.0078, 0.2921, 0.4449**.

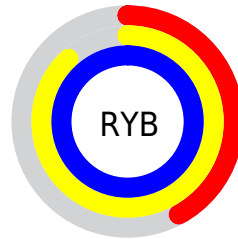
# Distribution



Red (42%)

Green (99%)

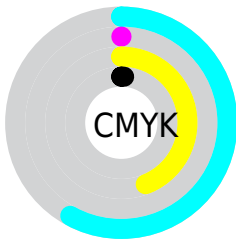
Blue (55%)



Red (42%)

Yellow (88%)

Blue (99%)

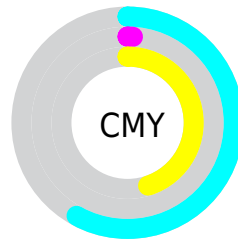


Cyan (58%)

Magenta (0%)

Yellow (44%)

Black (1%)



Cyan (58%)

Magenta (1%)


Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 74.6081, 0.2895, 0.4741 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 74.6081, 0.2895, 0.4741 by changing the saturation by 10% instead.




 74.6081, 0.2895,  
0.4741

 74.6081, 0.2895,  
0.4741


476.5695, 0.3034,  
0.4019


 55.2919, 0.2854,  
0.4917

 125.7575, 0.2950,  
0.4481

 39.6355, 0.2799,  
0.5138


 158.3594, 0.2970,  
0.4383

 27.2544, 0.2722,  
0.5426


 196.1587, 0.2986,  
0.4299

 17.7644, 0.2608,  
0.5809

239.5398, 0.2999,  
0.4228

 10.7810, 0.2428,  
0.6339

288.8870, 0.3010,  
0.4165

 5.9198, 0.2137,  
0.7124


344.5847, 0.3019,

 2.7963, 0.1525,


0.4111


0.8475

407.0174, 0.3027,  
0.4062

 1.0264, 0.0000,  
1.0000


 0.0000, 0.0000,  
0.0000


 74.6081, 0.2895,  
0.4741


 74.6081, 0.2895,  
0.4741


 72.7665, 0.2882,  
0.5030


 77.0078, 0.2921,  
0.4449

 71.4278, 0.2883,  
0.5300


 79.9972, 0.2956,  
0.4166


 70.5410, 0.2899,  
0.5535

 83.6162, 0.2998,  
0.3901

 70.0346, 0.2926,  
0.5722

 87.8987, 0.3043,  
0.3660

 69.9580, 0.2932,  
0.5755

 92.8760, 0.3090,  
0.3444

 98.1066, 0.3128,  
0.3262

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.6081, 0.3731, 0.4927



74.6081, 0.2895, 0.4741



74.6081, 0.2167, 0.3911

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.6081, 0.2895, 0.4741



74.6081, 0.1847, 0.2007



74.6081, 0.4740, 0.3297

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



74.6081, 0.2895, 0.4741



36.0024, 0.3540, 0.2204

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.6081, 0.4078, 0.2717



74.6081, 0.2895, 0.4741



74.6081, 0.2361, 0.2011

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.6081, 0.2895, 0.4741



74.6081, 0.1638, 0.2300



74.6081, 0.3162, 0.2263



74.6081, 0.4858, 0.3928



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.6081, 0.2895, 0.4741



74.6081, 0.1841, 0.3250



74.6081, 0.3162, 0.2263



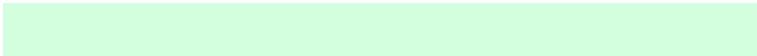
74.6081, 0.4572, 0.3095

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



74.6112, 0.2895, 0.4741



90.7420, 0.3047, 0.3638



85.5607, 0.3714, 0.4793



19.2183, 0.3038, 0.3684



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.6112, 0.2895, 0.4741



74.4173, 0.2881, 0.5088



77.4950, 0.2569, 0.3772



19.3775, 0.3083, 0.3475



36.4580, 0.2925, 0.5729



3.3925, 0.2864, 0.5509



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



36.0024, 0.3540, 0.2204



31.2593, 0.3656, 0.2050



33.0365, 0.4425, 0.2900



17.4491, 0.3175, 0.3111



12.7760, 0.3929, 0.1938

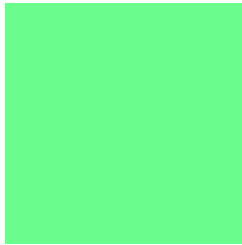


1.1998, 0.3824, 0.1880



# Previews

## White Background



This preview shows how the Yxy color 74.6081, 0.2895, 0.4741 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 74.6081, 0.2895, 0.4741 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

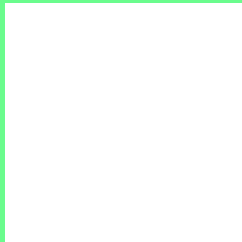
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 74.6081, 0.2895, 0.4741**

## **Background**



This preview shows how black text looks on a background with the Yxy color 74.6081, 0.2895, 0.4741.



This preview shows how white text looks on a background with the Yxy color 74.6081, 0.2895, 0.4741.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

74.6081, 0.2895, 0.4741

### Protanopia

73.0874, 0.3917, 0.4244

### Deuteranopia

72.9169, 0.3727, 0.3713



## Tritanopia

73.9914, 0.2515, 0.3082

# Trichromacy



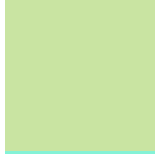
## Original Color

74.6081, 0.2895, 0.4741



## Protanomaly

71.4684, 0.3468, 0.4451



## Deuteranomaly

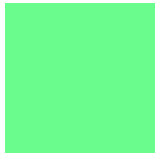
70.5129, 0.3362, 0.4062



## Tritanomaly

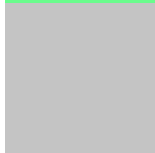
73.2648, 0.2649, 0.3634

# Monochromacy



## Original Color

74.6081, 0.2895, 0.4741



## Achromatopsia

55.2011, 0.3127, 0.3290



## Achromatomaly

60.0329, 0.3012, 0.3807

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 74.6081, 0.2895, 0.4741 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(106, 252, 141)` looks like.

```
.text, #text, p{  
    color:rgb(106, 252, 141)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(106, 252, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 252, 141) }
```

## Border

The CSS property to change the border of an element to Yxy 74.6081, 0.2895, 0.4741 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 252, 141) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(106, 252, 141) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(106, 252, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 252, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 252, 141);  
box-shadow:4px 4px 4px 4px rgb(106, 252,  
141) }
```



# Background

The CSS property to change the background color of an element to Yxy 74.6081, 0.2895, 0.4741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 252, 141) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(106,  
252, 141) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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